Ordering number: EN2621A

Monolithic Linear IC

LA6520

3-Output Power Operational Amplifier

Overview

The LA6520 is a 3-output power OP amp designed for use in consumer, industrial applications.

Features

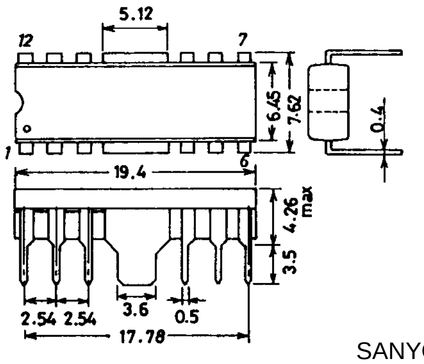
- High output current (Io = 0.5 A)
- High gain
- With current limiter
- Wide operating voltage range (±2 to ±18 V)
- Capable of being operated from single supply (4 to 36V)
- On-chip thermal shutdown

Package Dimensions

unit : mm

3022A-DIP12F

[LA6520]



SANYO : DIP12F

Specification

Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Maximum supply voltage	V_{CC}/V_{EE}		±18	V
Differential input voltage	V_{IDIf}		30	V
Common-mode input voltage	V_{ICOM}		±15	V
Allowable power dissipation	Pd max		1.9	W
Operating temperature	Topr		–20 to +75	°C
Storage temperature	Tstg		–55 to +150	°C

Operating Characteristics at Ta = 25°C, V_{CC}/V_{EE} = ± 15 V

Parameter	Symbol	Conditions	min	typ	max	Unit
Quiescent current dissipation	I_{CCO}			20		mA
Input offset voltage	V_{IO}	Rs ≦ 10 kΩ		2		mV
Input offset current	I_{IO}			10		nA
Input bias current	I_B			50		nA
Common-mode input voltage range	V_{ICM}		–15		+13	V
Common-mode rejection	CMR			80		dB
Maximum output voltage	Vo	R_L = 33 Ω		±12		V
Voltage gain	VG_O			85		dB
Slew rate	SR	G_V = 0, R_L = 33 Ω, R = 10 Ω, L = 0.1 µF		0.15		V/µs
Supply voltage rejection	SVR			30		µV/V
Limiting current (On-chip limiter)	I_{SC}			0.5		A

Pin Assignment

